

FORM PTO-1380  
(REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT &amp; TRADEMARK OFFICE

ATTORNEY/AGENT NUMBER  
124136U.S. APPLICATION NO. (If known, see 37 CFR 1.51)  
10/537,745TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371INTERNATIONAL APPLICATION NO.  
PCT/JP03/16547INTERNATIONAL FILING DATE  
December 24, 2003PRIORITY DATE CLAIMED  
December 25, 2002TITLE OF INVENTION  
LIQUID MIXTURE, STRUCTURE, AND METHOD OF FORMING STRUCTUREAPPLICANTS FOR DO/EO/US  
Chikara MANABE et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- The US has been elected (Article 31).
- A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - is attached hereto (required only if not communicated by the International Bureau).
  - has been communicated by the International Bureau.
  - is not required, as the application was filed in the United States Receiving Office (RO/US).
- An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - is attached hereto.
  - has been previously submitted under 35 U.S.C. 154(d)(4).
  - The International Application was filed in English.
- Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - are attached hereto (required only if not communicated by the International Bureau).
  - have been communicated by the International Bureau.
  - have not been made; however, the time limit for making such amendments has NOT expired.
  - have not been made and will not be made.
- An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

- An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- A preliminary amendment.
- An Application Data Sheet under 37 CFR 1.76.
- A substitute specification.
- A power of attorney and/or change of address letter.
- A computer-readable form of the sequence listing in accordance with PCT Rule 13(ter.2) and 37 CFR 1.821 - 1.825.
- A second copy of the published international application under 35 U.S.C. 154(d)(4).
- A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- International Search Report

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.537.45)	INTERNATIONAL APPLICATION NO. PCT/JP03/16547	ATTORNEY'S DOCKET NUMBER 124436		
21. <input type="checkbox"/> The following fees are submitted:				
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)):</b> \$ 300.00				
<b>SEARCH FEE (37 CFR 1.492(b)(1)-(3)):</b>				
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage ..... \$ 0.00				
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA ..... \$ 100.00				
International search report provided to USPTO no later than the time at which the search fee is paid. ..... \$ 400.00				
All situations not provided for above ..... \$ 500.00				
<b>EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):</b>				
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage ..... \$ 0.00				
All situations not provided for above ..... \$ 200.00				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				
TOTAL PAGES OF APPLICATION OVER 100 ( - 100)	+ 50	= ↑	× 250 =	\$
round up to next integer				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
TOTAL CLAIMS	- 20	=	× 50.00 =	\$
INDEPENDENT CLAIMS	- 3	=	× 200.00 =	\$
MULTIPLE DEPENDENT CLAIM(S)(if applicable)				
<b>TOTAL OF ABOVE CALCULATIONS =</b>				
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ .				
<b>SUBTOTAL =</b>				
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				
<b>TOTAL NATIONAL FEE =</b>				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				
<b>TOTAL FEES ENCLOSED =</b>				
				Amount to be refunded: \$
				charged: \$
<p>a. <input type="checkbox"/> Check No. _____ in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>				
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to resume (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p><b>SEND ALL CORRESPONDENCE TO:</b>  <b>OLIFF &amp; BERRIGE, PLC</b>  <b>Customer Number:</b> 25944</p>				
<p>NAME: James A. Oliff          REGISTRATION NUMBER: 27,075</p> <p>NAME: Philip A. Caramanica, Jr.          REGISTRATION NUMBER: 51,528</p>				
Date <u>August 11, 2005</u>				

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In re the Application of**

Chikara MANABE et al.

Application No.: 10/537,745

Filed: June 6, 2005

Docket No.: 124136

For: LIQUID MIXTURE, STRUCTURE, AND METHOD OF FORMING STRUCTURE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

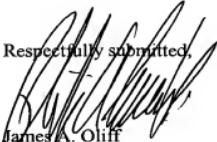
Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. Relevance of the non-English language references 3-6 are discussed in the present specification.
- 3. References 1-2 and 7-10 were cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information. Copies of the references are attached.
- 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- 5. English language Abstracts of the non-English language references 3-5 and 8-10 are attached hereto.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.U./

6. Computer-generated English language translations of the following Japanese Patent Publications have been obtained from the website of the Japanese Patent Office ([http://www.jpo.go.jp]), and are attached, but have not been reviewed for accuracy. See References 3-6 and 8-10.

Respectfully submitted,

  
James A. Oliff  
Registration No. 27,075

Philip A. Caramanica, Jr.  
Registration No. 51,528

JAO:PAC/yxm

Date: August 11, 2005

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DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 124136	APPLICATION NO. 10/537,745
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		APPLICANTS Chikara MANABE et al.		
		FILING DATE June 6, 2005		

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
1		US 2002/0122765 A1	09/05/2002	Kazunaga HORIUCHI et al.		
2		US 5,698,175	12/16/1997	Hidefumi HIURA et al.		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
3		JP A 2002-290094 w/abst. & transl.	10/04/2002	JAPAN		
4		JP A 2001-267782 w/abst. & transl.	09/28/2001	JAPAN		
5		JP A 2000-026760 w/abst. & transl.	01/25/2000	JAPAN		
6		JP A 2002-503204 w/transl.	01/29/2002	JAPAN		
7		WO 97/32571	09/12/1997	WIPO		
8		JP A 11-263916 w/abst. & transl.	09/28/1999	JAPAN		
9		JP A 10-45905 w/abst. & transl.	02/17/1998	JAPAN		
10		JP A 2003-295387 w/abst. & transl.	10/15/2003	JAPAN		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER	/John Uselding/	DATE CONSIDERED 06/17/2008
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.